RECONFIGURATION OF A NETWORK BY UTILIZING A PREDETERMINED LENGTH QUIESCENT STATE

Abstract Of The Disclosure

A network having a plurality of nodes is reconfigured to reflect a change in topology of the network. In particular, upon receiving a reconfiguration request, each node enters a quiescent state for a predetermined period of time sufficient to allow at least one other node to also enter a quiescent state. Then, upon termination of the quiescent state, the node is reconfigured to reflect the change in the topology of the network without having to check with any other nodes of the network. In other embodiments, the predetermined period of time is sufficient to allow currently executing protocols to complete execution as well as to allow the transmission of reconfiguration requests for propagating reconfiguration in the network.